

Figure 2





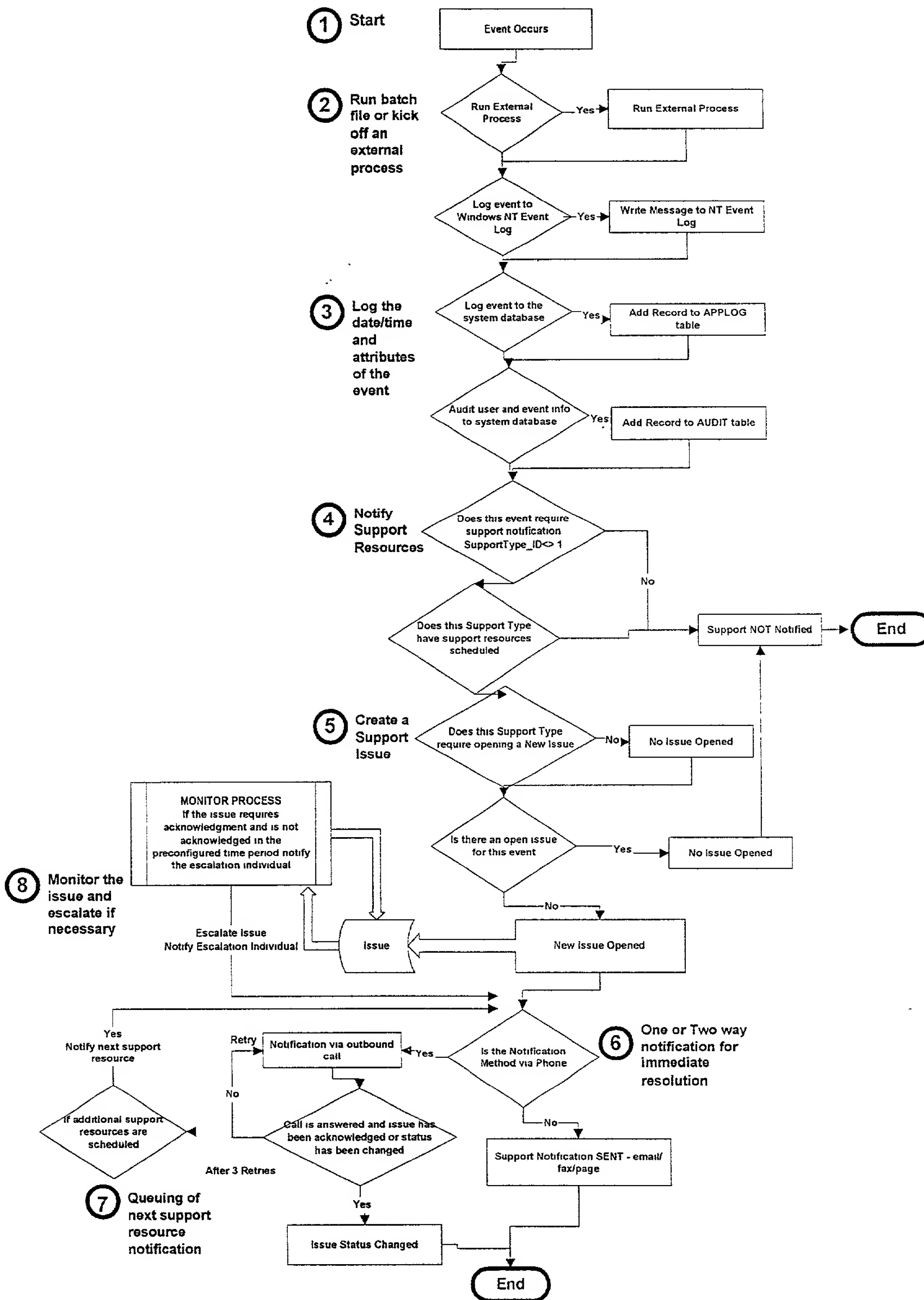


Figure 4



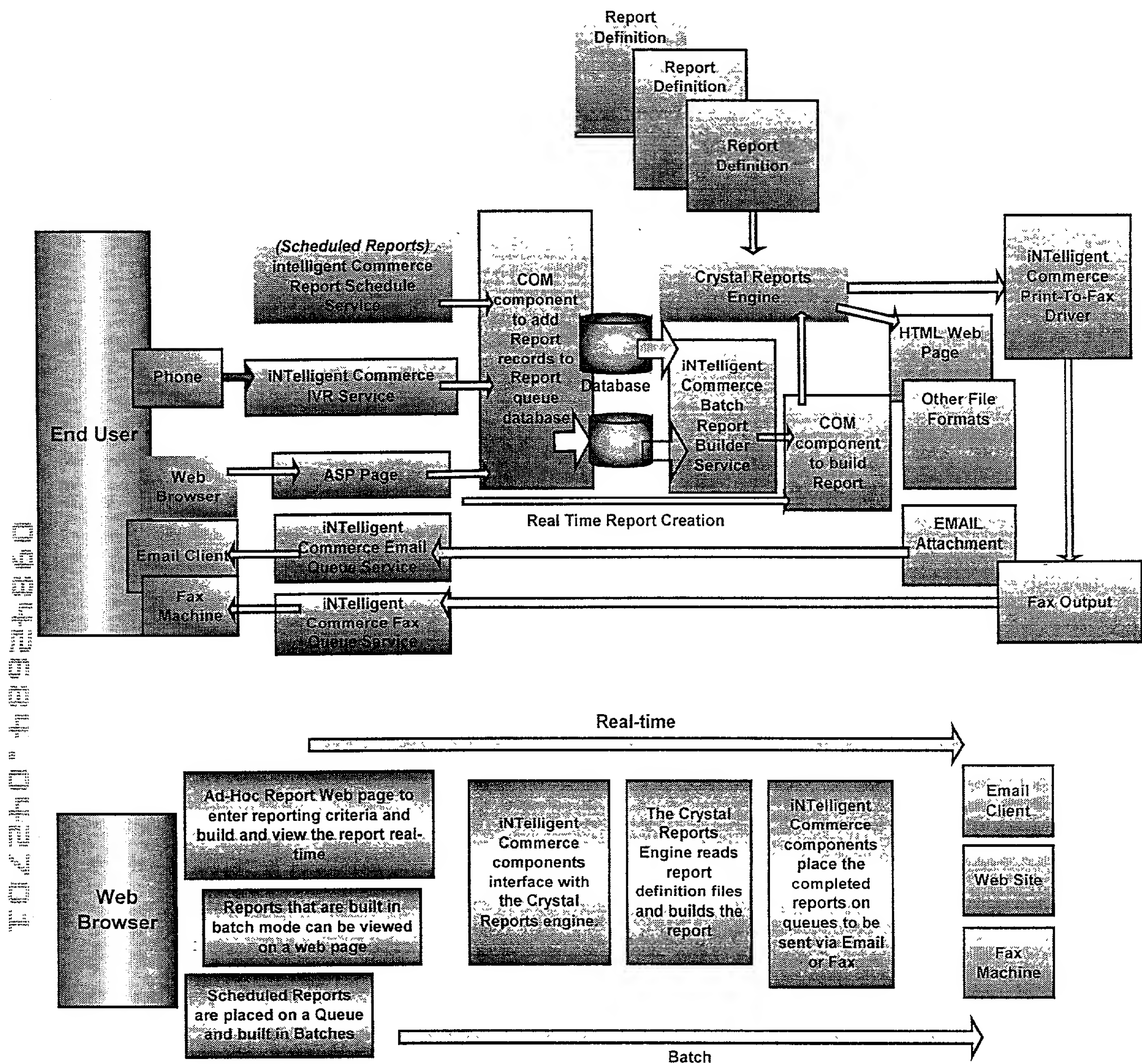


Figure 5

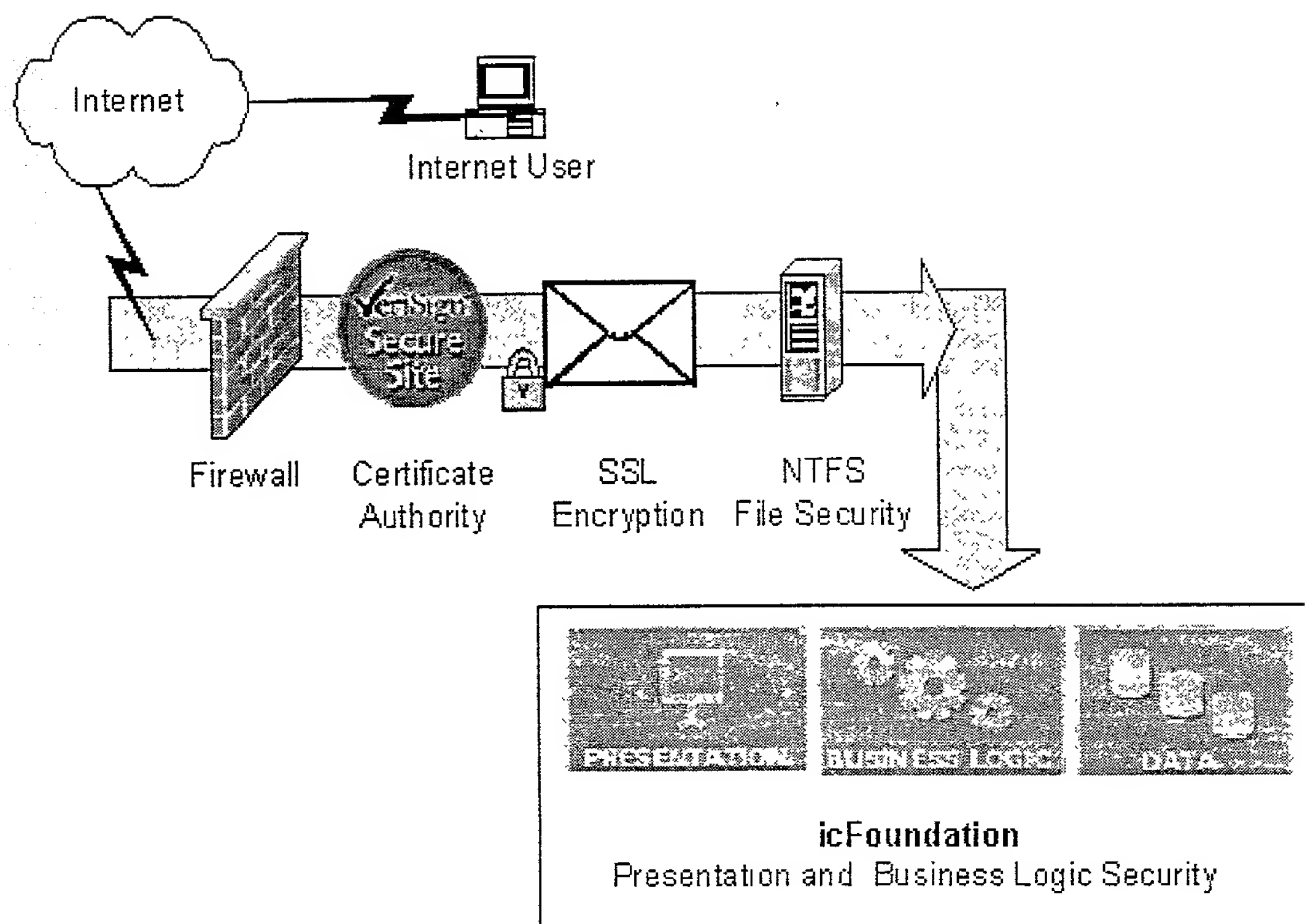


Figure 6

## Workflow for Creating a New COM Object

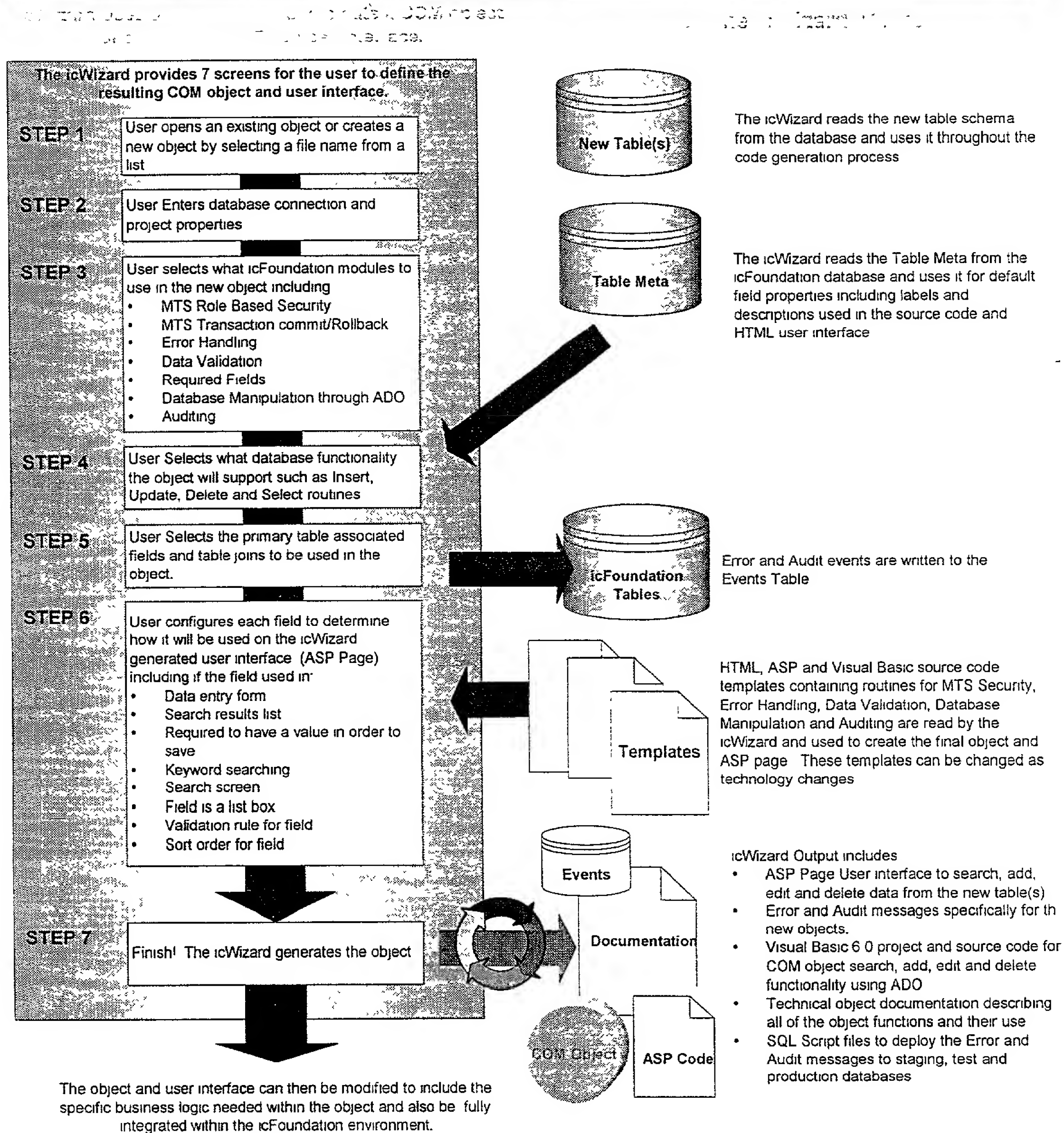
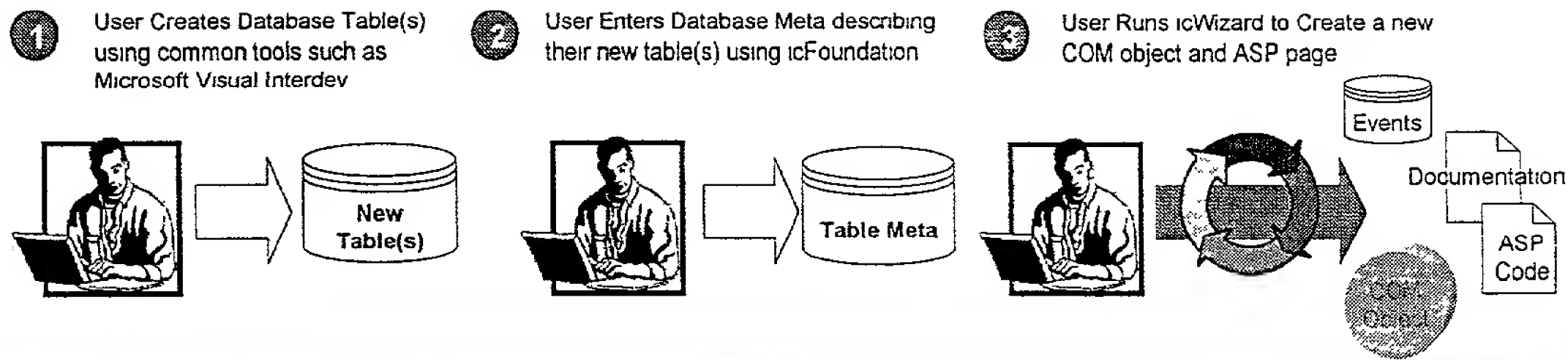


Figure 7



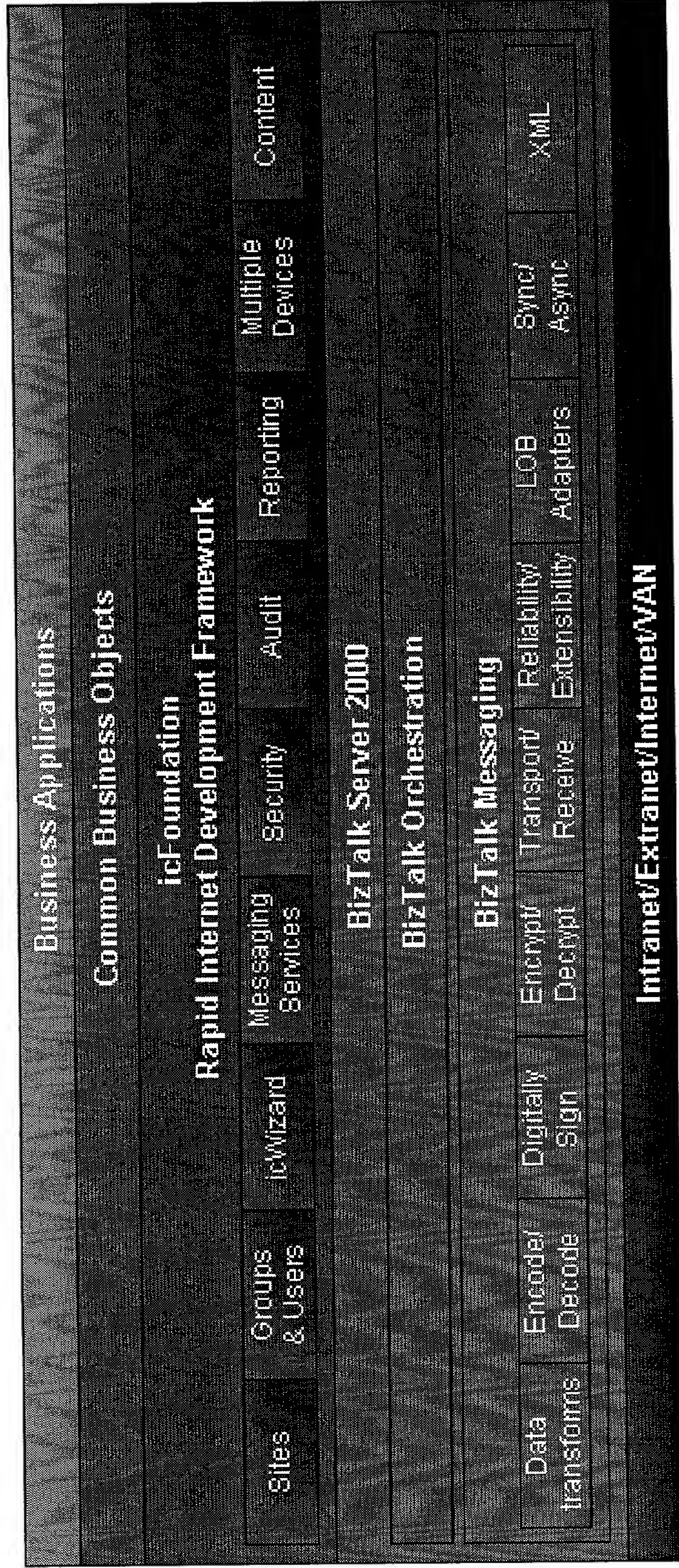


Figure 8



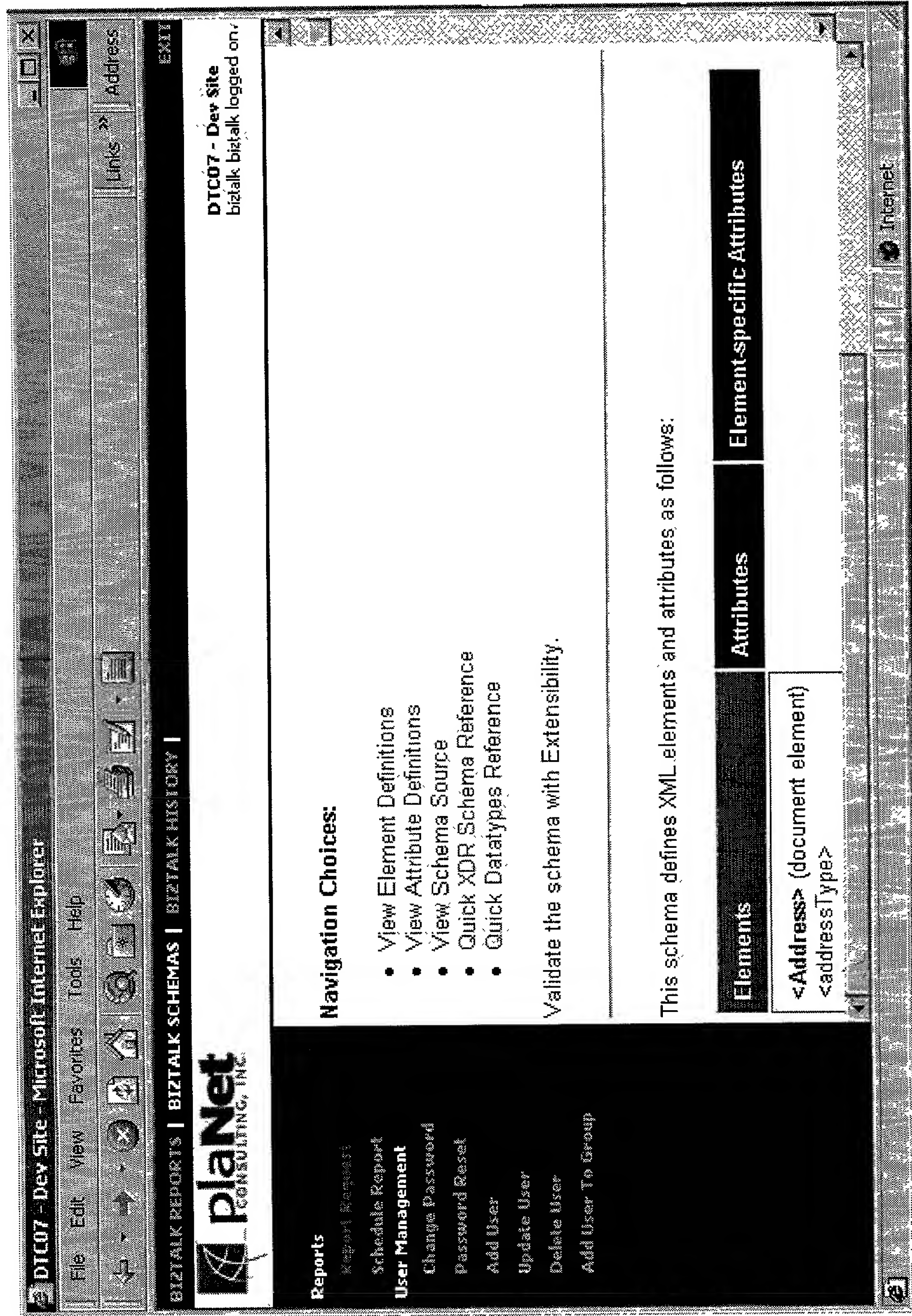


Figure 9

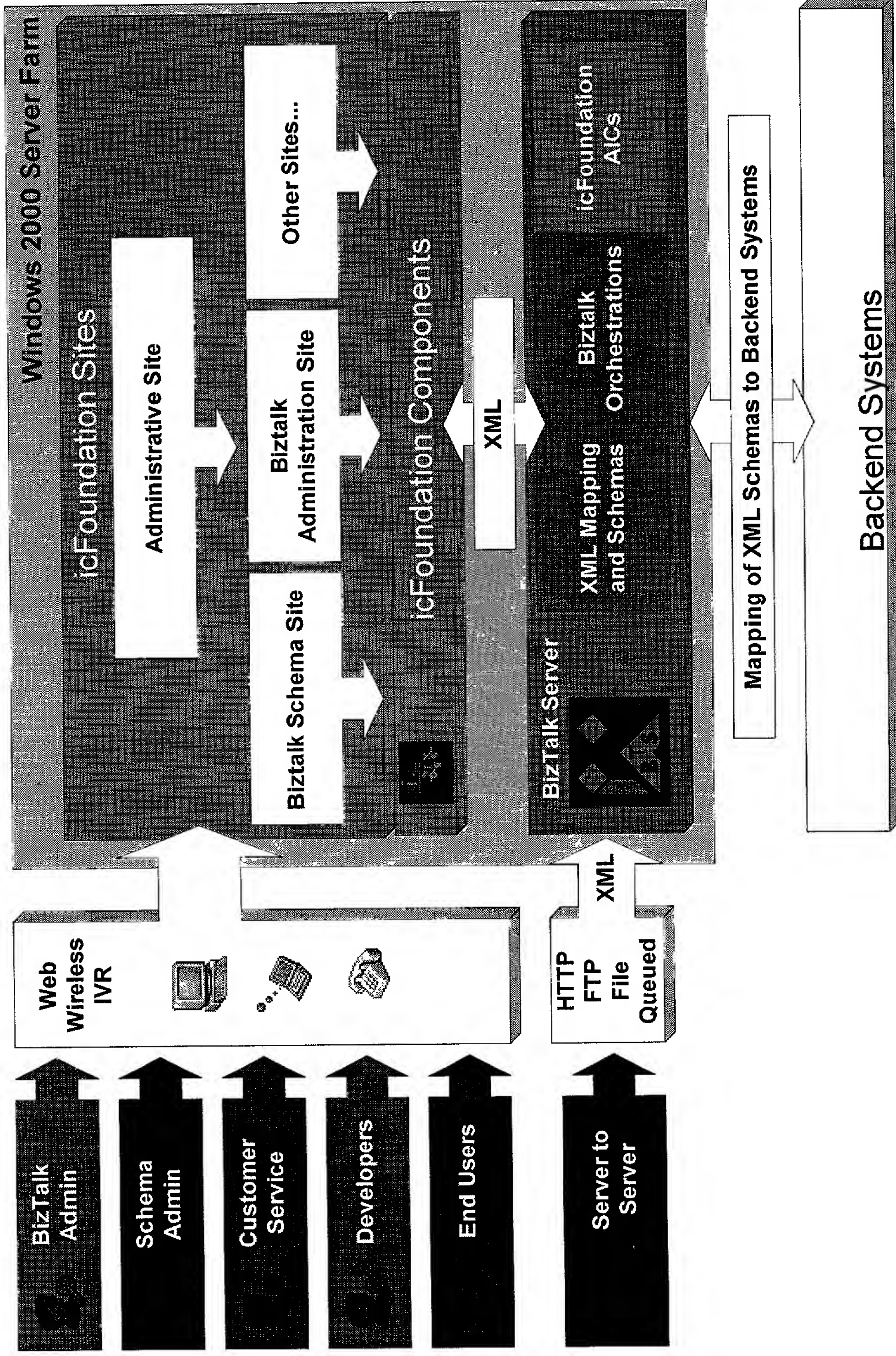


Figure 10



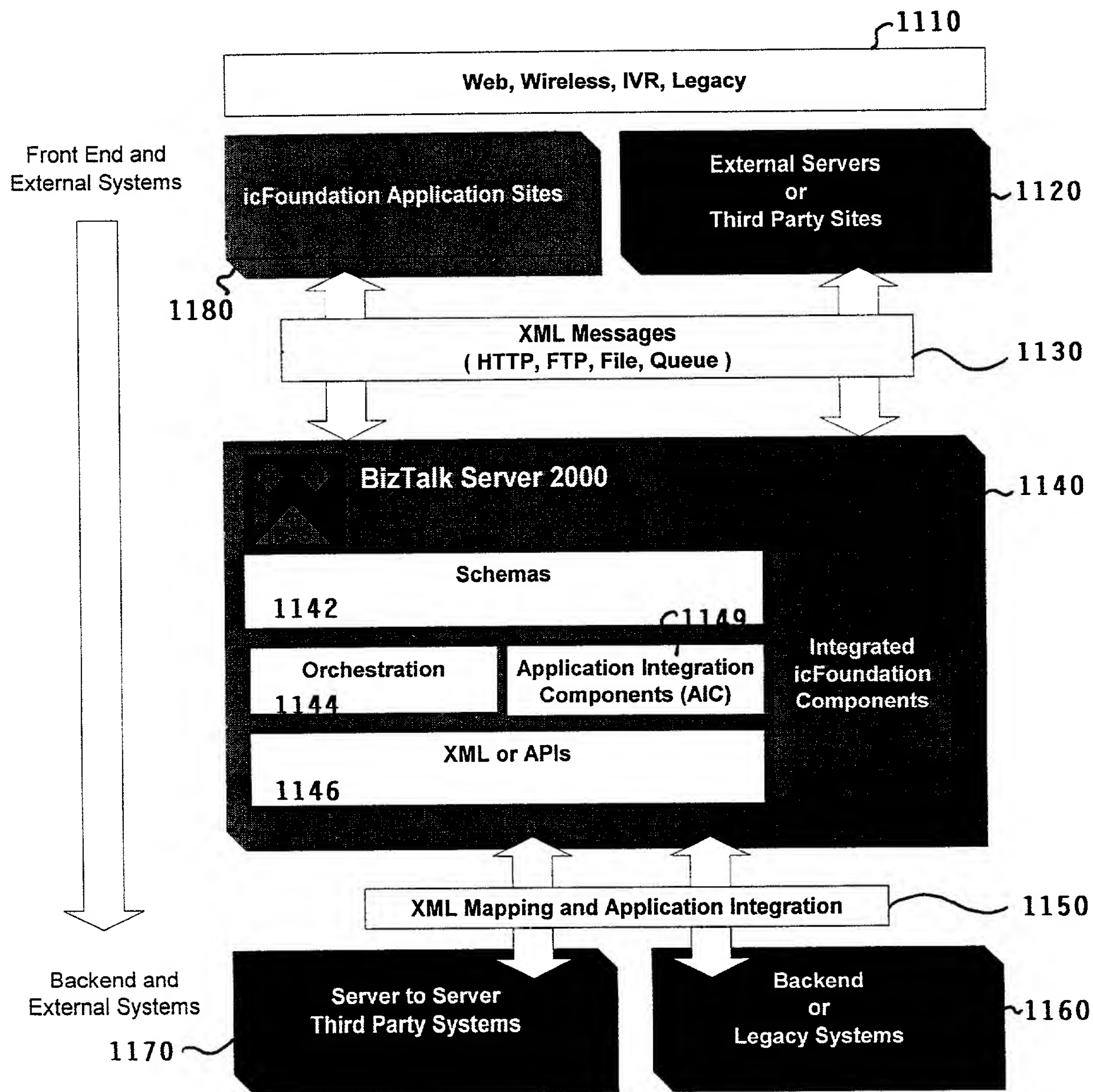


Figure 11



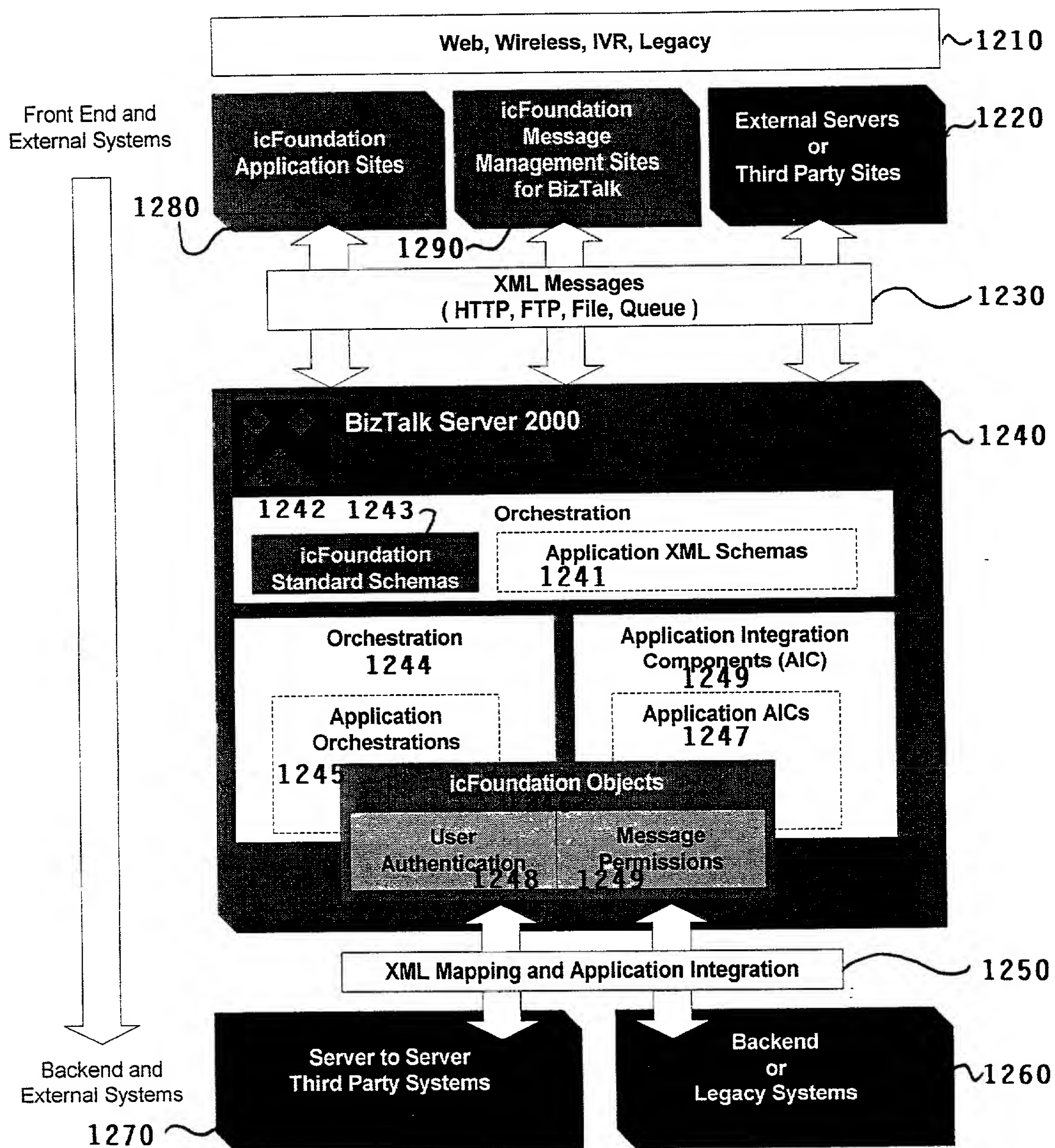


Figure 12

The diagram illustrates the icFoundation architecture, showing the flow of data and services between external sites, BizTalk Server 2000, and backend systems.

**icFoundation Sites** (Top):

- Biztalk Message Management Sites
- Message Schema Administration
- Message Security Administration
- Biztalk Message Reporting and Statistics

**Server to Server or Third Party Sites** (Left):

- Banks
- Merchants
- Issuers

**icFoundation Sites Bankcard and other Sites** (Bottom Left):

- Enrollment
- Account Changes
- Transaction History
- Statements
- Others...

**BizTalk Server 2000** (Center):

- XML Schemas**
  - Application Schemas
  - icFoundation Standard Schemas
    - Report Retrieval
    - Error Handling
    - User Authentication
    - User Management
- Orchestration**
  - Application Orchestrations
  - Application Integration Components (AIC)
    - Application AICs
- icFoundation Objects**
  - User Authentication
  - Message Permissions
  - Enrollment
  - Account Management
  - Transaction History
  - Statements

**Interactions:**

- HTTP FTP File Queue**: Connects external sites to BizTalk Server 2000.
- XML Messages**: Connects external sites to BizTalk Server 2000.
- XML Mapping and Application Integration**: Connects BizTalk Server 2000 to Backend or Legacy Systems.

**Server to Server Third Party Systems** (Bottom Left):

- Banks
- Merchants
- Issuers

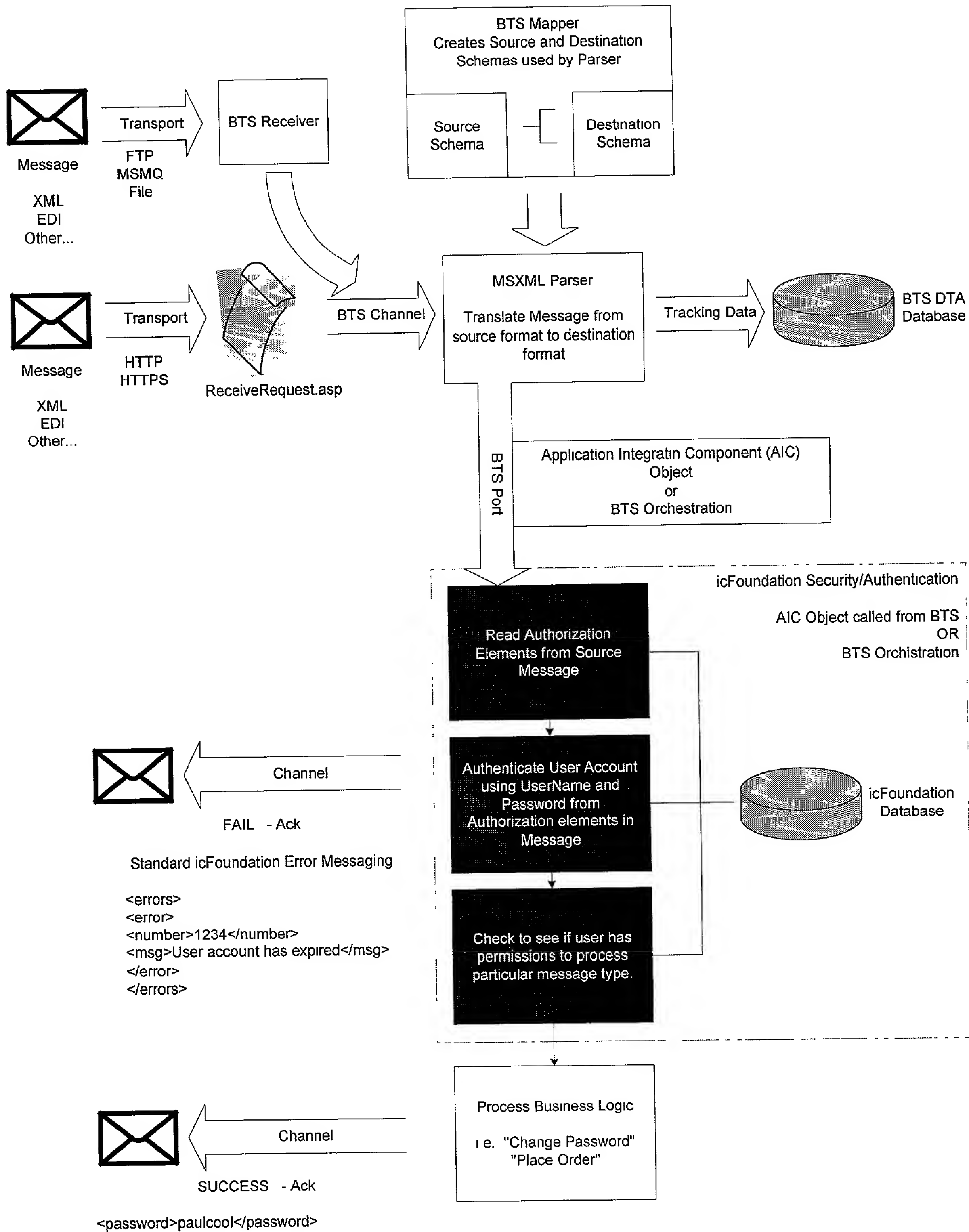
**Backend or Legacy Systems** (Bottom Right):

These systems interact with the icFoundation architecture through XML Mapping and Application Integration.

Figure 13







You might want to change the `<password>paulcool</password>`

**Figure 15**

Argument	Type	In/Out	Description
strXML	String	In	XML containing authentication elements.
StrLanguage	String	Out	Name of Language to return messages in (i.e. English). If blank then English is assumed.
StrSiteUrl	String	Out	URL of the site this user is trying to logon to (i.e. intranet.planetci.com).
strUserName	String	Out	User Name of the logon. Must match Login.UserName field in the database to authenticate.
StrPassword	String	Out	Password of the logon in clear text. The AuthenticateLogin object will create an SHA-1 hash of this text and compare it to the Login.Password field in the database to authenticate.
StrResult	String	Out	If failure or error, this will contain the user-friendly text to display to the end user with the failure or error description.
StrErrorMsg	String	Out	If failure or error, this will contain additional error information. If the strOptions /EEXML or /ERXML flags are on, this will be in XML.
StrRootTag	String	Out	Root XML Tag extracted from the document.

Figure 16

Argument	Type	In/Out	Description
strLanguage	String	In	Name of Language to return messages in (i.e. English). If blank then English is assumed.
strSiteUrl	String	In	URL of the site this user is trying to logon to (i.e. intranet.planetci.com).
strUserName	String	In	User Name of the logon. Must match Login.UserName field in the database to authenticate.
strPassword	String	In	Password of the logon in clear text. The AuthenticateLogin object will create an SHA-1 hash of this text and compare it to the Login.Password field in the database to authenticate.
lngLogin_ID	Int	Out	If the authentication is successful, this will contain the Primary key to the login table for the user.
lngProject_ID	Int	Out	If the authentication is successful, this will contain the Primary key to the project table for the strSiteUrl.
lngLanguage_ID	Int	Out	If the authentication is successful, this will contain the Primary key to the Language table for the strLanguage.
strFullName	String	Out	First and Last name of the user.
strEmail	String	Out	Email address of the user.
strResult	String	Out	If failure or error, this will contain the user-friendly text to display to the end user with the failure or error description.
strErrorMsg	String	Out	If failure or error, this will contain additional error information. If the strOptions /EEXML or /ERXML flags are on, this will be in XML.

Figure 17



Argument	Type	In/Out	Description
lngLanguage_ID	Int	In	Name of Language to return messages in (i.e. English). If blank then English is assumed.
lngProject_ID	Int	In	Foreign key for the URL of the site this user is trying to logon to (i.e. intranet.planetci.com).
lngLogin_ID	Int	In	If the authentication is successful, this will contain the Primary key to the login table for the user.
strRootTag	String	In	Root tag that must match FNBizTalkSchema.RootTag field.
strResult	String	Out	If failure or error, this will contain the user-friendly text to display to the end user with the failure or error description.
strErrorMsg	String	Out	If failure or error, this will contain additional error information. If the strOptions /EEXML or /ERXML flags are on, this will be in XML.

Figure 18

Argument	Type	In/Out	Description
lngLanguage_ID	Int	In	Name of Language to return messages in ( i.e. English). If blank then English is assumed.
lngProject_ID	Int	In	Foreign key for the URL of the site this user is trying to logon to (i.e. intranet.planetci.com).
lngLogin_ID	Int	In	If the authentication is successful, this will contain the Primary key to the login table for the user.
NdReport	XML DOM	In	XML DOM Object containing the report request.
strResult	String	Out	If failure or error, this will contain the user-friendly text to display to the end user with the failure or error description.
strErrorMsg	String	Out	If failure or error, this will contain additional error information. If the strOptions /EEXML or /ERXML flags are on, this will be in XML.

Figure 19